WHAT IS CLAIMED IS:

1   1.   A system for transferring scanned imaging data from a

2   scanning device to a personal imaging repository, comprising:

3   a scanning device capable of obtaining information from items

4   for scanning imaging data;

5   a personal imaging repository associated with a particular user for

6   storing imaging data that is to be accessed by requested web services;

7   an item for storing user information relating to said personal

8   imaging repository; and,

9   a device firmware for storing scanned imaging data from the

10   scanning device into said personal imaging repository;

11   wherein said personal imaging repository is an exchange

12   infrastructure between the imaging data and available web services on the

13   Internet.

1   2.   The system as defined in claim 1 wherein said personal

2   imaging repository stores the imaging data in a plurality of file formats.

1   3.   The system as defined in claim 1 wherein said personal

2   imaging repository comprises an imaging data store assigned to the user for

3   storing imaging data.

1   4.   The system as defined in claim 1 wherein said personal

2   imaging repository comprises a plurality of imaging data stores for storing

3   imaging data.

1   5.   The system as defined in claim 4 wherein one of said

2   plurality of imaging data store is assigned to the user for storing imaging data.

1   6.   The system as defined in claim 4 wherein one of said
2 plurality of imaging data store is assigned to a web service for storing imaging
3 data provided by the web service.

1   7.   The system as defined in claim 1 wherein said personal
2 imaging repository comprises a composition store for storing imaging
3 compositions of the imaging data that are serviced as a single unit.

1   8.   The system as defined in claim 7 wherein said imaging
2 composition comprises a link reference for each imaging data that is serviced
3 as a single unit.

1   9.   The system as defined in claim 1 wherein said personal
2 imaging repository is located on another data storage device that is linked to
3 said imaging client.

1   10.   The system as defined in claim 1 wherein said item is a
2 smart card.

3   11.   A system for transferring scanned imaging data from a
4 scanning device to a personal imaging repository, comprising:

5   a personal imaging repository associated with a particular user for
6 storing imaging data that is to be accessed by requested web services;

7   a scanning device with user information relating to said personal
8 imaging repository for scanning imaging data; and,

9   a device firmware for storing scanned imaging data from the
10 scanning device into said personal imaging repository;

11   wherein said personal imaging repository is an exchange
12 infrastructure between the imaging data and available web services on the
13 Internet.

14   12.   A method for transferring scanned imaging data from a
15 scanning device to a personal imaging repository having an imaging data store

16   for storing the imaging data and a composition store for storing imaging

17   compositions having links to the imaging data serviced as a single unit, said

18   method comprising:

19   receiving the scanned imaging data;

20   obtaining user information relating to the personal imaging

21   repository;

22   connecting with the imaging data store of the personal imaging

23   repository indicated from the user information; and,

24   transferring the scanned imaging data to the imaging data store.

1   13.   The method according to claim 12 further comprising the

2   steps of:

3   obtaining a link reference of the scanned imaging data stored in

4   the personal imaging data store; and,

5   disconnecting from the imaging data store by the scanning

6   device.

7   14.   The method according to claim 12 wherein said step of

8   connecting with the imaging data store further comprising the steps of:

9   determining whether the connection with the imaging data store

10   is successful;

11   returning an error message to the user when the connection is not

12   successful; and,

13   converting the scanned imaging data into a predefined format.

1   15.   The method according to claim 14 wherein said predefined

2   format is any one from the group consisting of:

3   Joint Photographic Experts Group Format;

4   Graphics Interchange Format;

5   Portable Network Graphics Format;

6   Tagged Image File Format;

7   Portable Document Format; and,

8   Microsoft Windows bitmap format.

9   16. The method according to claim 12 further comprising the

10 steps of:

11   obtaining a link reference of the scanned imaging data stored in

12 the personal imaging data store;

13   connecting with the composition store of the personal imaging

14 repository indicated from the user information;

15   creating an imaging composition having a link reference to the

16 scanned imaging data stored in the personal imaging data store; and,

17   saving the imaging composition to the composition store.

1   17. The method according to claim 16 further comprising the

2 steps of:

3   setting the imaging composition as a selected composition

4 available for service in the composition store; and,

5   disconnecting from the composition store of the personal imaging

6 repository.

7   18. The method according to claim 16 wherein prior to the

8 step of creating an imaging composition further comprising the steps of:

9   determining whether the connection with the composition store is

10 successful; and,

11   returning an error message to the user when the connection to the

12 composition is not successful.

1   19. The method according to claim 16 wherein said step of

2 creating an imaging composition further comprising the step of adding the link

3 reference of the imaging data stored in the imaging data store to the imaging

4 composition.

1   20.   A computer program product comprising a computer

2 usable medium having computer readable program codes embodied in the

3 medium that when executed causes a computer to:

4   receive scanned imaging data;

5   obtain user information relating to the personal imaging

6 repository;

7   connect with the imaging data store of the personal imaging

8 repository indicated from the user information; and,

9   transfer scanned imaging data to the imaging data store.

1   21.   A computer program product comprising a computer

2 usable medium having computer readable program codes embodied in the

3 medium that when installed in a scanning device linked to a personal imaging

4 repository with an imaging data store for storing the imaging data and a

5 composition store for storing imaging compositions with links to the imaging

6 data serviced as a single unit, the product causes the scanning device to:

7   receive scanned imaging data;

8   obtain user information relating to the personal imaging

9 repository;

10   connect with the imaging data store of the personal imaging

11 repository indicated from the user information; and,

12   transfer scanned imaging data to the imaging data store.